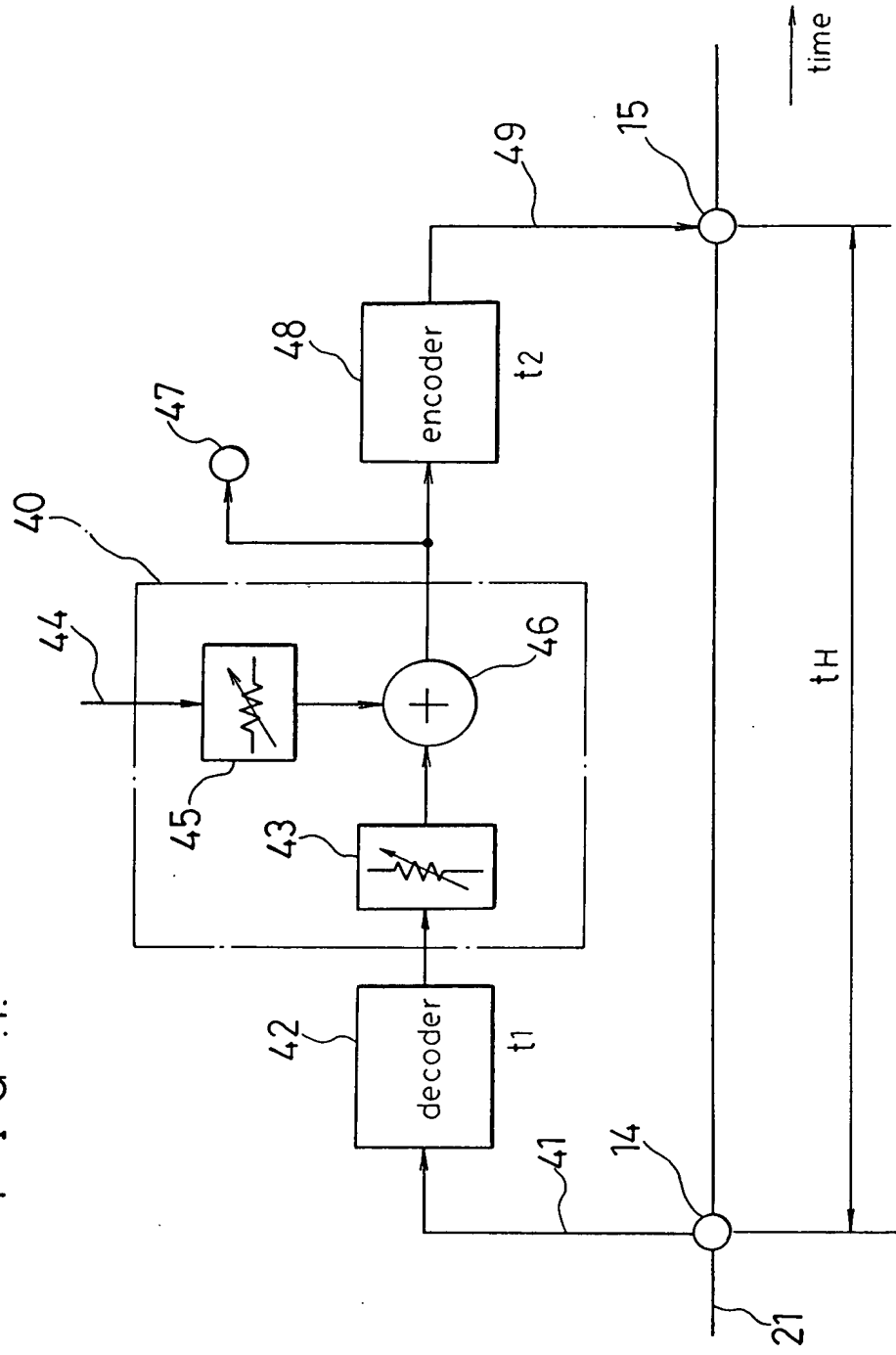


FIG. 1.



The diagram illustrates a control system with the following components and signal flow:

- Reference Input (21):** The system starts with a reference input signal 21.
- Summing Junction (14):** The reference input 21 is fed into a summing junction 14.
- Controller (41):** The output of the summing junction 14 passes through a controller block 41.
- Decoder (42):** The signal then enters a decoder block 42.
- Plant (40):** The output of the decoder 42 enters a large block representing the plant 40. Inside this block:
 - The signal splits to feed two parallel paths, each containing a variable gain element (43 and 45, represented by resistors with arrows).
 - The outputs of these two paths are combined at a summing junction 46.
- Encoder (48):** The output of the plant 40 is fed into an encoder block 48.
- Feedback Path (49):** The output of the encoder 48 is fed back through a path 49 to a summing junction 15.
- Summing Junction (15):** The feedback signal is subtracted from the reference input at the summing junction 15.
- Time Axis:** A horizontal axis at the bottom indicates the progression of time, with a total duration t_H and a specific time point t_1 marked.

FIG. 4.

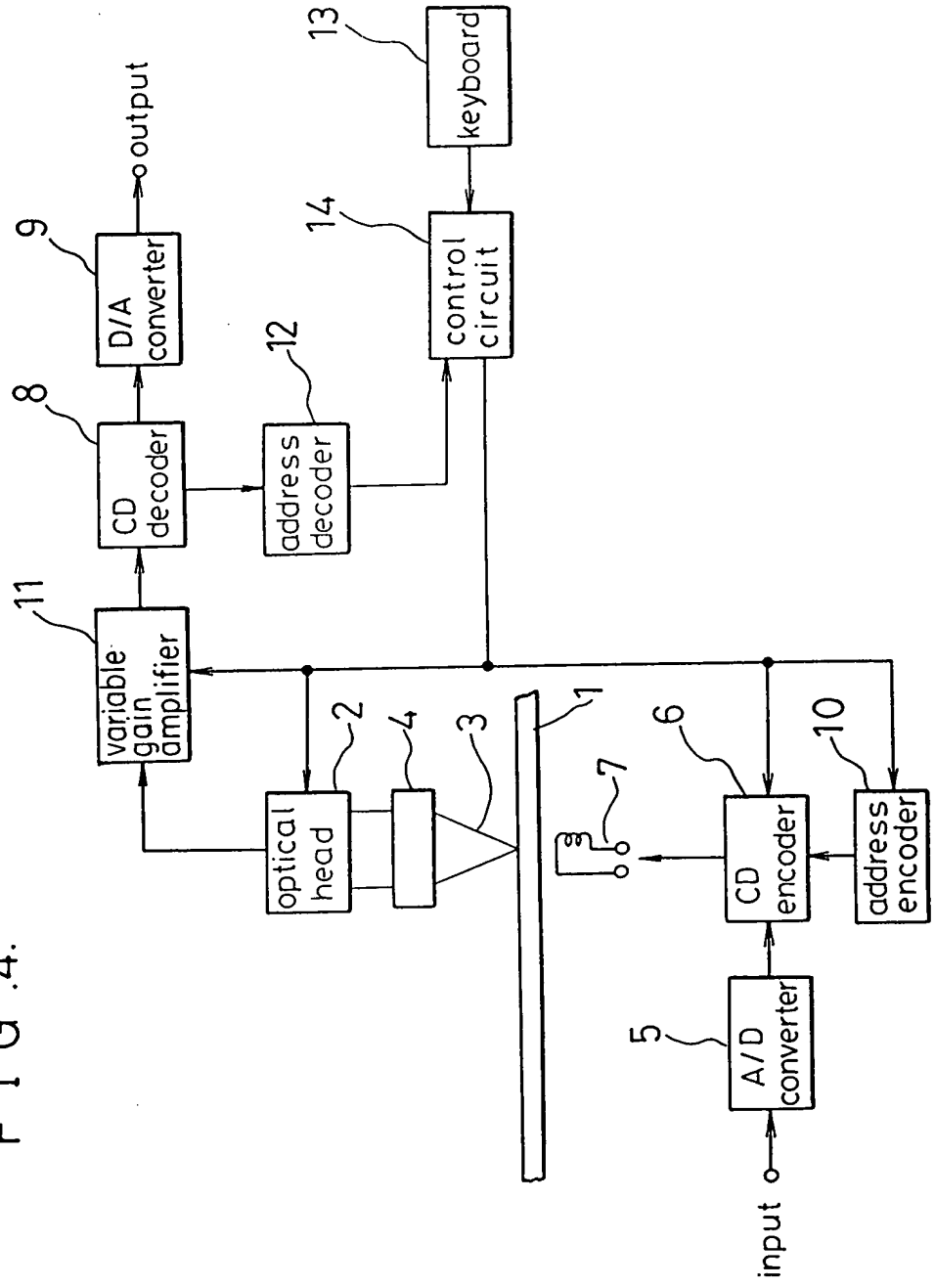


FIG. 5.

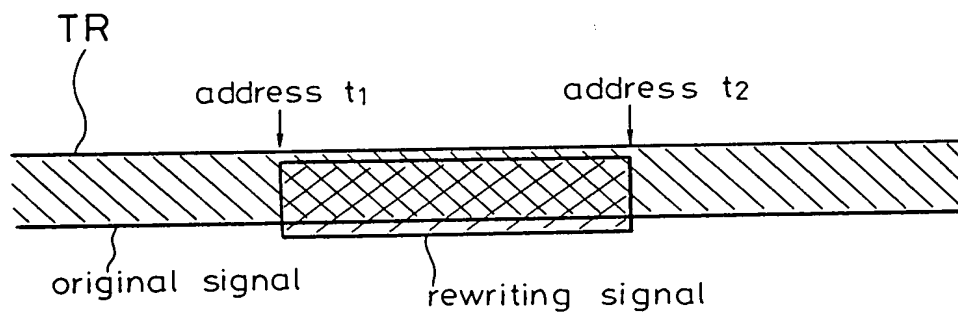


FIG. 7.

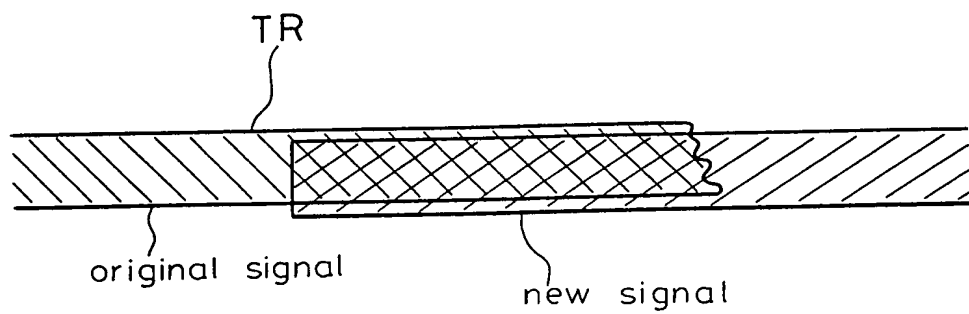
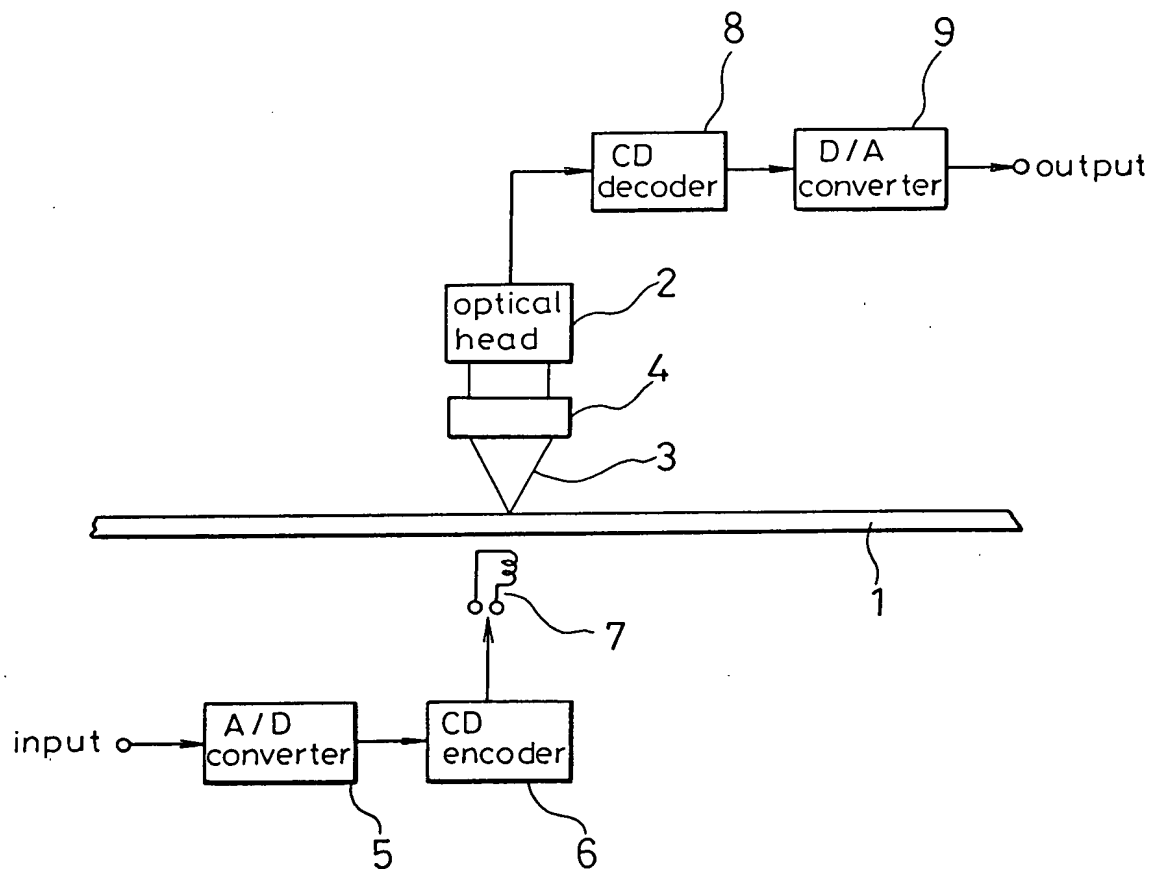
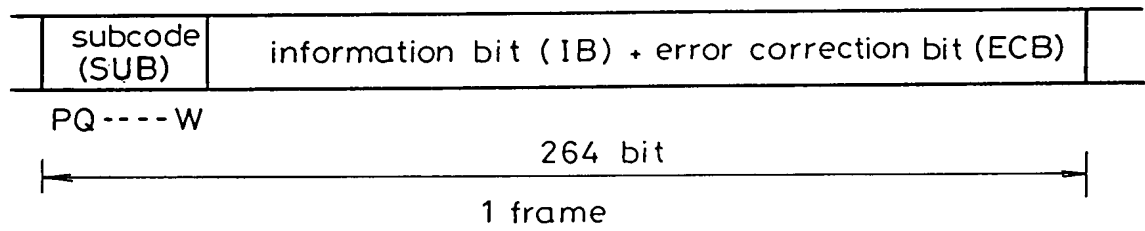


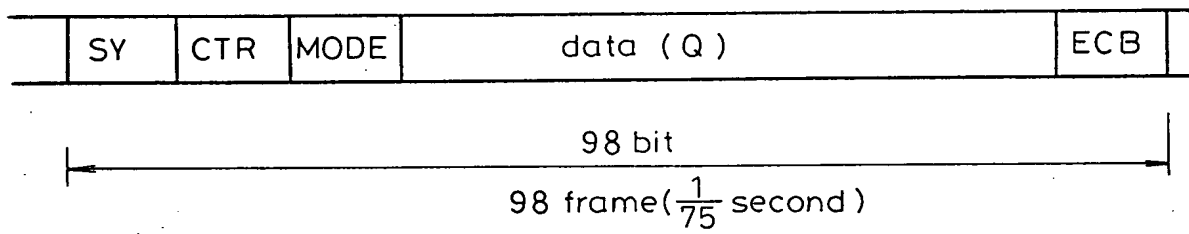
FIG. 6.

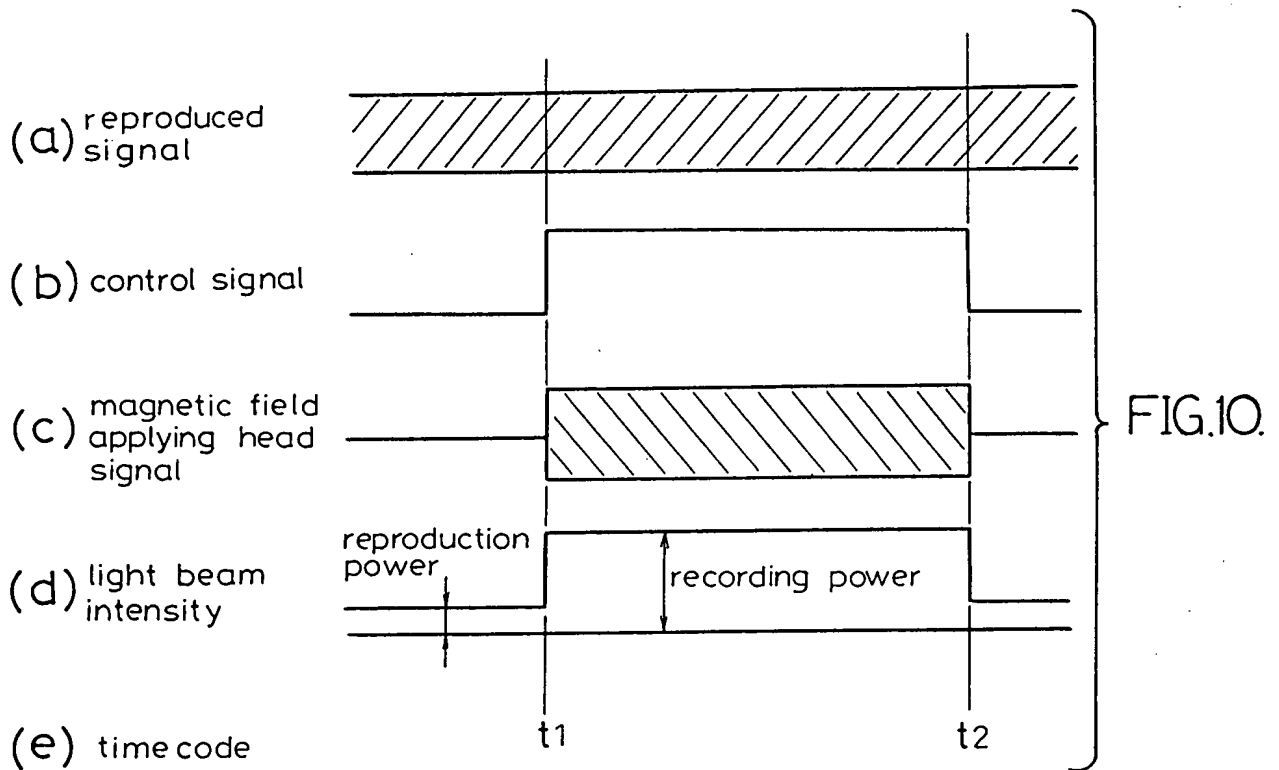


F I G .8.



F I G .9.





F I G . 11.

